SBR No. 64/22-23
DATED 28/11/2022

Original/Duplicate/Triplicate

EE/ELE/Y/DR.No. 64/22-23

CONTRACT CERTIFICATE

(For Other Works)

Date 28/11/2022

No. 3Rd RA bill

Division: **Electrical (yelahanka)**

Sub-Division: **Electricals**

Bill Received No. Dated

Divisional / Sub Divisional

Cash Book Voucher No..... Dated.....

Schedule Docket No. Head of Account : **P 0300** M&R to Street lights - Replacement of Burnt bulbs etc **Job Code :-006-22-000007**

D.R.No. : **Period 1-10-2022 to 31-10-2022 (for 1months)**

Name of Work : ***Annual Maintenance and repairs of street lights in ward no 06 Package Y-06 of Yelahanka Zone"***

Name of Contractor and Full Address:**Sri Pradeepkumar S.N. Pro of M/s Ganga Enterprises**

Reference to Agreement No:- EE/Ele/YZ/AG/000006/2022-23 Date:01/04/2022

Reference to Work order No:- EE/Ele/YZ/WO/000006/2022-23 Date:01/04/2022

Certified that the measurements were taken by me on 2/11/22 and recorded of Pages 260/82 to 282 of measurement Book No. 2 (CC/2258) and that the work is satisfactorily executed.

For GANGA ENTERPRISES Proprietor

Contractor

Officer-in-charge of work

Certified that the measurement were taken by me on 2/11/22 and found correct. The work is satisfactorily executed.

Certified that the quantities of materials shown in column 3 of Account have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of and imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

Sub-Division Officer

II Memorandum of Payment

1)	Total value of work done or supplies made as per account within	3rd RABill 476168:00
2)	Deduct amount to be held in reserve being .....percent Rs.....	I.T 1% 4762:00
3)	" Balance	LWC 1% 4768:00
4)	Deduct Payment:	CESS 1% 476:00
a)	Amount of previous payment as in the Office Cash Book Voucher No.....Dated.....S.D. No..... adjusted towards cash advance recovery of	CGST 1% 4762:00
b)	Payments Now made } cost store or other material supplied. recovery of amount creditable to this/other work Amount paid on this bill Cheque / Cash.	SGST 1% 4762:00
		Scrap 2% 9523:00
		Fine 5000:00
		Deduction 34047:00
5)	Balance being unpaid value of work done held in reserve.	by cheque 442121:00
6)	Deduct cash advance made on the Office cash Book Voucher No..... dated.....less adjustments.	
7)	Net amount due to or from Contractor unadjustments items.	
8)	Advance to Contractor for materials brought to site (as detailed) within.	
9)	Value of Government materials supplied.	

Total amount adjusted

For GANGA ENTERPRISES Contractor's Signature

Received Rs..... (in words).....

.....

by cash and by adjustment of Payment as per memorandum

(in final settlement of all demands)

Witness

1.

2.

Dated Signature of Contractor

Paid by me by Cheque No.....Dated.....

Cash Rs.....

Dated.....Initials of Officer making payment

Proprietor

Stamp

ಲೆಕ್ಕಶೀರ್ಷಿಕೆ P0300 M and R to street lig (For use in the Office)

ರೂ: 476168:00 ಅಡಿಯಲ್ಲಿ ಮಾಡಿ ಸ್ವೀಕರಿಸಿದೆ

ರೂ: 442121:00 ಚೆಕ್ ನೀಡುವುದಾಗಿದೆ

ರೂ: 34047:00 ಹೊಂದಾಣಿಕೆ ಮಾಡಿದೆ

ಲೆಕ್ಕ ಅಧೀಕ್ಷಕರು Executive Engineer ಯಲಹಂಕ ವಲಯ

Sl. No.	Description of item	Unit
	Name of Work :-Annual Maintenance and repairs of street lights in ward no 06 Package Y -06 of Yelahanka Zone"	
1	Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps, Tubes, Chokes, Ignitors, Capacitors, Switches , wires, Holders, Starters ,and switching ON/OFF of street lights at specified timing and Pole numbering, Preparing ward wise, street wise data bank furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for 36/40 W fluorescent tube light street lighting systems.	Each
2	Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps, Tubes, Chokes, Ignitors, Capacitors, Switches , wires, Holders, Starters ,and switching ON/OFF of street lights at specified timing and Pole numbering, Preparing ward wise, street wise data bank furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for 125 W HPMV light Park lighting systems.	Each
3	Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps, Tubes, Chokes, Ignitors, Capacitors, Switches , wires, Holders, Starters ,and switching ON/OFF of street lights at specified timing and Pole numbering, Preparing ward wise, street wise data bank furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for 250W HPSV street light lighting systems.	Each
4	Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps, Tubes, Chokes, Ignitors, Capacitors, Switches , wires, Holders, Starters ,and switching ON/OFF of street lights at specified timing and Pole numbering, Preparing ward wise, street wise data bank furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents 400 watts HPSV street light/High Mast lighting systems.	Each
5	Operation and Maintenance of LED Street lighting system including replacement of damaged/failed/fused out compnents like LED drivers MCPCB surge protective device switches, Wires Holders, Staters observing weather proofing technic confirming to IP 65 standards and switching ON/OFF of Street lights at specified timing and pole numbering. Preparing ward wise Street wise Street light data bank furnishing maintenance reports every day etc.., complete so as to ansure efficient burning of Street lights detailed in Tender documents for 24 watt LED park lighting systems.	Each
6	Operation and Maintenance of LED Street lighting system including replacement of damaged/failed/fused out compnents like LED drivers MCPCB surge protective device switches, Wires Holders, Staters observing weather proofing technic confirming to IP 65 standards and switching ON/OFF of Street lights at specified timing and pole numbering. Preparing ward wise Street wise Street light data bank furnishing maintenance reports every day etc.., complete so as to ansure efficient burning of Street lights detailed in Tender documents for 65 watt LED street light lighting systems.	Each
7	Operation and Maintenance of LED Street lighting system including replacement of damaged/failed/fused out compnents like LED drivers MCPCB surge protective device switches, Wires Holders, Staters observing weather proofing technic confirming to IP 65 standards and switching ON/OFF of Street lights at specified timing and pole numbering. Preparing ward wise Street wise Street light data bank furnishing maintenance reports every day etc.., complete so as to ansure efficient burning of Street lights detailed in Tender documents for 90 watt LED street light lighting systems.	Each
8	Operation and Maintenance of LED Street lighting system including replacement of damaged/failed/fused out compnents like LED drivers MCPCB surge protective device switches, Wires Holders, Staters observing weather proofing technic confirming to IP 65 standards and switching ON/OFF of Street lights at specified timing and pole numbering. Preparing ward wise Street wise Street light data bank furnishing maintenance reports every day etc.., complete so as to ansure efficient burning of Street lights detailed in Tender documents for 110/120 watt LED streetlight lighting system	Each

Previous Measurement		Present Measurement			Total Upto Date		Remarks
Qty.	Cost	Qty.	Rate Rs. P.	Amount	Qty	Cost	
		1	Months		Upto Date paid so for 7 Months		
79x6 Months	16191.84	79.00	34.16	2698.64	79x7 Months	18890.48	
45x6 Months	14623.20	45.00	54.16	2437.20	45x7 Months	17060.40	
4805x6 Months	2335230.00	4805.00	81.00	389205.00	4805x7 Months	2724435.00	
120x6 Months	65995.20	120.00	91.66	10999.20	120x7 Months	76994.40	
32x6 Months	12798.72	32.00	66.66	2133.12	32x7 Months	14931.84	
727x6 Months	399820.92	727.00	91.66	66636.82	727x7 Months	466457.74	
19x6 Months	12349.62	19.00	108.33	2058.27	19x7 Months	14407.89	
0	0.00	0.00	125.00	0.00	0	0.00	

9	Operation and Maintenance of LED Street lighting system including replacement of damaged/failed/fused out compnents like LED drivers MCPCB surge protective device switches, Wires Holders, Staters observing weather proofing technic confirming to IP 65 standards and switching ON/OFF of Street lights at specified timing and pole numbering. Preparing ward wise Street wise Street light data bank furnishing maintenance reports every day etc.., complete so as to ansure efficient burning of Street lights detailed in Tender documents for 150 watt LED street light /High mast lighting system	Ea
10	Painting of existing Street lighting pole after scraping the oid paint and painted with suitable colour enamel/silver paint including copingflooting of the polec) Up to 5 Mtrs Street light pole	N
11	Painting of existing Street lighting pole after scraping the oid paint and painted with suitable colour enamel/silver paint including copingflooting of the polec) 8 Mtr and above Street light pole	N
12	Supplying and fixing Moulded Case Circuit Breaker (MCCB) over the existing wood/panel board using necessary screws, bolts, nuts, necessary phase separators, handle and wiring complete. Protection of Overload and Short circuit with thermal Magnetic/Micro processor release and Earth Fault as per IS-13947. (Icu = Ics) 100Amps 25kA.	Ea
13	Supply and Installation / Fixing / Provision of Pole box with HRC Fuse / MCB provision and suitable connector / terminal for 3 Ph / 1 Ph connections with Loop-In & Loop- Out terminals for 10 Sqmm / 25 Sqmm 3.5 C Al/Ar / Cu/ Ar Cable and branch out 2.5 Sqmm 2 core Al/Cu PVC Insulated cable, enclosed in a Thermoplastic, Polystyrene enclosure, which should be shock proof, safe, IP65(Weather Proof), rust proof, dust proof, water proof having Internally Embedded Gasket with provision for cable entry through IP65 Thermoplastic, polyamide glands and/or grommets.260mmx210mmx116mm	Ea
14	Supplying of 1.1 KV LT UG cable XLPE or Heat resistant PVC insulated, PVC extruded Inner sheath armoured UG LT cable as per IS-1554 (Part-1) or IS-7098 Part-1, Armouring strip thickness in average +5% and resistivity 14 Ohms/Kms (Max) as per IS-3975 4 core 16 sqmm	Mt
15	Labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe / stoneware pipe / on wall / on pole as required.On wall /Structure 6 sqmm to 16 sqmm	Mt
16	Supply and fixing of 4 pole power contactor with NO/NC contacts on existing wood/panel board using necessary bolts, nuts, washers and wiring etc., complete with AC-3 Rating and as per IS-13947.100 to 125Amps	Eac
17	Supplying and fixing Microprocessor Based Astronomical timer Switch with using necessary bolts, nuts and washers.	Eac
18	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898. 50-63 Amps SP	Eac
19	1.1 kV, LT Aerial Bunched Cable, confirming to IS-14255: 1995 XLPE insulation Parameter shall be as below 1. Hot Set Test: a) Elongation under Load: 50% (Max) b) Permanent Elongation After Cooloing: 3% (Max) 2. Thermal Aging in oven: a) Tensile Strength: 16 N/mm² (Min) b) Elongation: 375% (Min) 3. Water Absorption Test a) Water absorbed: 0.5 mg/cm² (Max) 4. Carbon Black Content shall be ranging from 2% to 3% Street light (Insulated Messenger cum Neutral) 3x25 + 1x25 + 1x16 Sqmm	KM
20	Stringing of 1.1 kV grade Aerial Bunched 3 Core cable of XLPE insulation of size (3x95) (Phase Conductor) + (1x70) (Insulated Messenger Neutral) + (1x25) (Street Light Control)	KM
	TOTAL Rs	
	Add GST 12 % on item no 10 to 20	
	Fine imposed for non burning of street lights For the period of 1/10/2022 to 31/10/2022	
	As per street light agreement clause 2% will be deducted in monthly maintenance bill against the released scrap material	
	GRAND TOTAL	

Certificate

The above said monthly maintenance work has been carried out satisfactorily

0	0.00	0.00	150.00	0.00	0	0.00	
0	0.00	0.00	415.00	0.00	0	0.00	
0	0.00	0.00	650.00	0.00	0	0.00	
0	0.00	0.00	3850.00	0.00	0	0.00	
0	0.00	0.00	1850.00	0.00	0	0.00	
0	0.00	0.00	140.00	0.00	0	0.00	
0.00	0.00	0.00	20.00	0.00	0	0.00	
0.00	0.00	0.00	6200.00	0.00	0	0.00	
0	0.00	0.00	2859.00	0.00	0	0.00	
0	0.00	0.00	623	0.00	0	0.00	
0	0.00	0.00	125000.00	0.00	0	0.00	
0	0.00	0.00	10500.00	0.00	0	0.00	
	2857009.50			**476168.25**		**3333177.75**	
	0.00			**0.00**		**0.00**	
	21800.00			5000.00		26800.00	
	57140.19			9523.37		66663.56	
	2778069.31			**461644.89**		**3239714.20**	